Psychological Bulletin

EDITED BY

SHEPHERD I. FRANZ, GOVT. HOSP. FOR INSANE

HOWARD C. WARREN, PRINCETON UNIVERSITY (Review)

JOHN B. WATSON, JOHNS HOPKINS UNIVERSITY (J. of Exp. Psych.)

JAMES R. ANGELL, UNIVERSITY OF CHICAGO (Monographs) AND
MADISON BENTLEY, UNIVERSITY OF ILLINOIS (Index)

WITH THE CO-OPERATION OF

J. W. BAIRD, CLARK UNIVERSITY; B. T. BALDWIN, SWARTHMORE COLLEGE; E. B. HOLT, HARVARD UNIVERSITY; W. S. HUNTER, UNIVERSITY OF TEXAS; J. H. LEUBA, BRYN MAWR COLLEGE; MAX MEYER, UNIVERSITY OF MISSOURI; R. M. OGDEN, UNIVERSITY OF KANSAS; W. D. SCOTT, NORTHWESTERN UNIVERSITY; E. E. SOUTHARD, BOSTON PSYCHOPATHIC HOSPITAL; F. M. URBAN, UNIVERSITY OF PENNSYLVANIA; G. M. WHIPPLE, UNIVERSITY OF ILLINOIS; R. S. WOODWORTH, COLUMBIA UNIVERSITY.

CONTENTS

General Reviews and Summaries:

Historical Contributions: W. Riley, I. General Standpoints: Mind and Body: W. T. Marvin, 4. Consciousness and the Unconscious: H. W. Chase, 10. Dreams: E. P. Frost, 12. Terminology: H. C. Warren, 15. Introspection and General Methods: C. H. Toll, 16. The Self in Recent Psychology: M. W. Calkins, 20. Text-Books and General Treatises: H. S. Langfeld, 27.

Special Reviews:

Riley's American Thought: H. C. WARREN, 34. Whipple's Manual of Mental and Physical Tests: F. N. FREEMAN, 36.

Books Received, 39; Notes and News, 40.

PUBLISHED MONTHLY BY THE

PSYCHOLOGICAL REVIEW COMPANY

NORTH QUEEN ST., LANCASTER, PA.,

AND PRINCETON, N. J.

AGENTS: G. E. STECHERT & CO., LONDON (2 Star Yard, Carey St., W. C.); Leiszag (Koenigstr., 37); Paris (16, rue de Condé)

Entered as second-class matter January 21, 1904, at the post-office at Lancaster, Pa., under

Aut of Congress of March 3, 1879

Psychological Review Publications

HOWARD C. WARREN, PRINCETON UNIVERSITY (Review)

JOHN B. WATSON, JOHNS HOPKINS UNIVERSITY (J. Exp. Psych.)

JAMES R. ANGELL, UNIVERSITY OF CHICAGO (Monographs)

SHEPHERD I. FRANZ, GOVT. HOSP. FOR INSANE (Bulletin) MADISON BENTLEY, UNIVERSITY OF ILLINOIS (Index)

> WITH THE CO-OPERATION OF MANY DISTINGUISHED PSYCHOLOGISTS

PSYCHOLOGICAL REVIEW

containing original contributions only, appears bimonthly, January, March, May, July, September, and November, the six numbers comprising a volume of about 480 pages.

PSYCHOLOGICAL BULLETIN

containing critical reviews, notices of books and articles, psychological news and notes, university notices, and announcements, appears monthly, the annual volume comprising about 480 pages. Special issues of the BULLETIN consist of general reviews of recent work in some department of psychology.

JOURNAL OF EXPERIMENTAL PSYCHOLOGY

containing original contributions of an experimental character, appears bimonthly, February, April, June, August, October, and December, the six numbers comprising a volume of about 480 pages.

PSYCHOLOGICAL INDEX

is a compendious bibliography of books, monographs, and articles upon psychological and cognate topics that have appeared during the year. The LADEX is issued annually in May, and may be subscribed for in connection with the periodicals above, or purchased separately.

ANNUAL SUBSCRIPTION RATES

Review and Bullerin, \$5 (Canada \$5.15, Postal Union, \$5.30)
Bulletin, \$2.75 (Canada, \$2.85, Postal Union, \$2.95)
Journal, \$3 (Canada, \$3.10, Postal Union, \$3.20)
Review, Bulletin, Journal and Index, \$8.50 (Canada, \$8.75, Postal Union, \$9)
Review, Bulletin and Journal, \$7.75 (Canada, \$8, Postal Union, \$8.25)
Review, Bulletin and Index, \$5.85 (Canada, \$6, Postal Union, \$6.15)
Current Numbers: Review, 50c; Bulletin, 30c; Journal, 50c; Index, \$1.

PSYCHOLOGICAL MONOGRAPHS

consist of longer researches or treatises or collections of laboratory studies which it is important to publish promptly and as units. The price of single numbers varies according to heir size. The Monographs appear at irregular intervals and are gathered into volumes of about 500 pages with a uniform subscription price of \$4.. (Postal Union \$4.30.)

Philosophical Monographs: a series of treatises more philosophical in character. Library of Genetic Science and Philosophy: a series of bound volumes.

Subscriptions, orders, and business communications may be sent direct to the

PSYCHOLOGICAL REVIEW COMPANY

Princeton, New Jersey

FOREIGN AGENTS; G. E. STECHERT & CO., London (2 Star Yard, Cary St., W. C.); LZIPZIG (Koenigstr., 37); PARIS (26, rue de Condé)

ii

CONTENTS OF VOLUME XIII

Alphabetical Indexes of Names and Subjects Will Be Found at the End of the Volume

ORIGINAL CONTRIBUTIONS, REPORTS, GENERAL REVIEWS AND SUMMARIES

Historical Contributions: W. RILEY	1
General Standpoints: Mind and Body, W. T. MARVIN	4
Consciousness and the Unconscious: H. W. CHASE	10
Dreams: E. P. Frost	12
Terminology: H. C. WARREN	15
Introspection and General Methods: C. H. Toll	16
The Self in Recent Psychology: M. W. CALKINS	20
Text-Books and General Treatises: H. S. LANGFELD	27
Report of the Secretary of the American Psychological Associ-	
ation: R. M. Ogden	41
Report of the Secretary of the Southern Society for Philosophy	
and Psychology: L. R. GEISSLER	101
The Last Decade of Psychology in Review: C. A. RUCKMICH	109
Sensation-General: M. Bentley	120
Vision-General Phenomena: E. B. Holt	122
Vision-Color Defects: S. P. HAYES	131
Taste and Smell: E. A. McC. Gamble	134
Cutaneous and Kinæsthetic Senses: J. T. METCALF	138
The Functions of the Cerebrum: S. I. FRANZ	149
Reflex Mechanisms and the Physiology of Nerve: E. B. Holt.	174
Hearing: R. M. OGDEN	189
Affective Phenomena-Descriptive and Theoretical: H. N.	
GARDINER	197
Affective Phenomena—Experimental: J. F. Shepard	202
Attention and Interest: W. B. PILLSBURY	205
Time and Rhythm: K. DUNLAP	206
Correlation: J. B. MINER	208
Psychophysical Measurement Methods: S. W. Fernberger	215
General Psychopathology: E. E. SOUTHARD	229
Visual Space: M. C. WILLIAMS	261
Auditory Space: D. STARCH	264
and the state of t	

Space Illusions: H. CARR	265
Suggestion: W. D. Scott	266
Tests: F. N. Freeman	
Tropisms and Instinctive Activities: H. B. Torrey	297
Sensory Physiology of Animals: K. S. LASHLEY	309
Habit Formation and Higher Mental Capabilities in Animals:	
H. B. Hubbert and H. M. Johnson	316
Memory, Imagination, Learning and the Higher Intellectual	
Processes (Experimental): J. W. BAIRD	333
Memory, Concept, Judgment, Logic (Theory): W. C. Gore	355
Vocal Functions: W. V. BINGHAM	358
Graphic Functions: J. E. DOWNEY	362
Reading: E. H. CAMERON	368
Sex Differences in Mental Tests: L. S. Hollingworth	377
Character and Temperament: L. L. THURSTONE	384
Comparative Psychology of Races: R. S. WOODWORTH	388
Theoretical Ethnology: R. H. Lowie	397
Dynamic Psychology: F. L. Wells	409
Instinctive Tendencies in Man: J. Peterson	412
Voluntary Phenomena: R. S. WOODWORTH	416
Visual Motor Functions: R. Dodge	421
Reaction Time: V. A. C. HENMON	427
Right- and Left-Handedness: S. SMITH	429
Fatigue, Work, and Inhibition: E. K. Strong, Jr	430
Psychological Effects of Drugs: A. T. Poffenberger, Jr	434
Social Psychology: C. A. Ellwood	449
Crime and Sociology: A. L. Kellogg	
Applied Aspects of Social Psychology: C. L. Hull	
Psychology and the War: W. K. WRIGHT	
Religious Psychology: J. H. LEUBA	
Mysticism: J. B. Pratt	
Religious Education: E. S. AMES	
SPECIAL REVIEWS	
Riley's American Thought: H. C. WARREN	34
Whipple's Mental and Physical Tests: F. N. FREEMAN	36
Shepard's Circulation and Sleep: E. P. FROST	142
	143
Parsons's Colour Vision: C. L. Franklin	
	275

Holt's Freudian Wish: C. A. RUCKMICH	276
Blondel's Gall: S. I. Franz	279
Aldrich's Eugenics: H. C. McComas	280
Cannon's Pain, Hunger, etc.: J. F. Shepard	280
Sidis's Psychology: H. LINENTHAL	282
Ziehen's Psychologie: L. R. GEISSLER	286
Bruce's Sleep: E. P. Frost	290
Morgan's Mendelian Heredity: J. T. Patterson	324
Smith's Mind in Animals: J. F. SHEPARD	326
Yerkes's Human and Animal Behavior: W. S. HUNTER	327
Luciani's Physiology: S. I. Franz	33I
Givler's Conscious Cross-Section: A. MITCHELL	370
Müller's Gedächtnistätigkeit: J. W. BAIRD	373
Webb's Character and Intelligence: L. L. THURSTONE	401
Harbin's Paradoxical Pain, Barton's Testing Methods, Tucker's	
Nervous Children: S. I. Franz	403
Dearborn's Influence of Joy: H. N. GARDINER	437
Titchener's Beginner's Psychology: H. S. LANGFELD	438
Parson's Social Freedom: C. A. Ellwood	477
Adler's World Crisis: G. E. O'Dell	478
Beth's Religion und Magie: J. H. LEUBA	479
De Gobineau's Inequality of Human Races: C. A. Ellwood	481
DISCUSSION	
Association and Personality: F. L. Wells	146
Visual Illusions—A Query: E. BAGBY	
The Value of the Free Association Method in Individual Psy-	
chology: G. M. Whipple	202
Purkinje Demonstration: A. P. Weiss	
On the Computation of the Standard Deviation: B. RUML	
on the companion of the contains a contained to the state of	777
MISCELLANEOUS	
Books Received	
Notes and News 40, 108, 148, 187, 228, 260, 296, 376, 407,	482